



DART

DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. A SHEET 1 OF 6
DATE 05.05.05		TITLE SIMPLEX TANK STEP	SCALE NTS
A	05.05.05	NEW ISSUE	

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-633 REV. A

REF. CANADIAN STC: SH96-57

REF. FAA STC: SR00592NY, SR00593NY, SR00594NY

THE PURPOSE OF THIS SERVICE INSTRUCTION IS TO ADD THE D205-633-021/-022/-023/-024/-025/-026 STEPS TO ADDRESS COMPATABILITY WITH THE SIMPLEX MODEL 304 FIRE ATTACK TANK. D205-633-021/-022 ARE IDENTICAL TO D205-633-011, EXCEPT AS SHOWN HERE. D205-633-023/-024 ARE IDENTICAL TO D205-633-013, EXCEPT AS SHOWN HERE. D205-633-025/-026 ARE IDENTICAL TO D205-633-015, EXCEPT AS SHOWN HERE.

WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D205-633-021 HELI-ACCESS-STEP™	14.0 lb 6.35 kg	-50.0 in -1.27 m	-700 in lb -8.06 m kg	94.5 in 2.40 m	1323 in lb 15.24 m kg
D205-633-022 HELI-ACCESS-STEP™	13.2 lb 6.00 kg	+50.0 in +1.27 m	+660 in lb +7.62 m kg	94.5 in 2.40 m	1247 in lb 14.40 m kg
D205-633-023 HELI-ACCESS-STEP™	14.3 lb 6.50 kg	-50.0 in -1.27 m	-715 in lb -8.26 m kg	94.5 in 2.40 m	1351 in lb 15.6 m kg
D205-633-024 HELI-ACCESS-STEP™	13.5 lb 6.14 kg	+50.0 in +1.27 m	+675 in lb +7.80 m kg	94.5 in 2.40 m	1276 in lb 14.74 m kg
D205-633-025 HELI-ACCESS-STEP™	14.6 lb 6.64 kg	-50.0 in -1.27 m	-730 in-lb -8.43 m-kkg	94.5 in 2.40 m	1380 in-lb 15.94 m-kkg
D205-633-026 HELI-ACCESS-STEP™	13.8 lb 6.27 kg	+50.0 in +1.27 m	+690 in-lb +7.96 m-kkg	94.5 in 2.40 m	1304 in-lb 15.05 m-kkg

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED



BY: 
D. SHEPHERD (DE # 02)

DATE: 05.05.05
CERT. NO.: SH96-57
ISSUE NO.: #5

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DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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DATE 05.05.05		TITLE SIMPLEX TANK STEP	SCALE NTS

PARTS LIST

QTY -021	QTY -022	QTY -023	QTY -024	QTY -025	QTY -026	Part Number	Description
X						D205-633-021	<i>Heli-Access-Step™</i> (LH), High Gear
	X					D205-633-022	<i>Heli-Access-Step™</i> (RH), High Gear
		X				D205-633-023	<i>Heli-Access-Step™</i> (LH), Extended High Gear (31")
			X			D205-633-024	<i>Heli-Access-Step™</i> (RH), Extended High Gear (31")
				X		D205-633-025	<i>Heli-Access-Step™</i> (LH), Extended High Gear (39")
					X	D205-633-026	<i>Heli-Access-Step™</i> (RH), Extended High Gear (39")
4	4	4	4	4	4	D2022-101	SPACER
2	2	2	2	2	2	D2022-103	SPACER
				1	1	D2562-005	STRUT
1	1					D2562-011	STRUT
		1	1			D2562-013	STRUT
1		1		1		D2563	WELDMENT ASSEMBLY
1	1					D2565-101	STRUT
1	1					D2565-103	STRUT
1	1					D2565-105	STRUT
1	1					D2565-107	STRUT
1	1					D2565-109	STRUT
		1	1			D2565-201	STRUT
		1	1			D2565-203	STRUT
		1	1			D2565-205	STRUT
		1	1			D2565-207	STRUT
		1	1			D2565-209	STRUT
				1	1	D2565-301	STRUT
				1	1	D2565-303	STRUT
				1	1	D2565-305	STRUT
				1	1	D2565-307	STRUT
				1	1	D2565-309	STRUT
1	1					D3437-041	AFT STRUT ASSEMBLY
		1	1			D3437-043	AFT STRUT ASSEMBLY
				1	1	D3437-045	AFT STRUT ASSEMBLY
	1		1		1	D3438-042	WELDMENT ASSEMBLY
1	1	1	1	1	1	AN4-5A	BOLT
4	4	3	3	3	3	AN4-6A	BOLT
1	1	1	1	1	1	AN4-7A	BOLT
1	1					AN4-11A	BOLT
		1	1	1	1	AN4-12A	BOLT
1	1	1	1	1	1	AN4-14A	BOLT
1	1	1	1	1	1	AN44-7A	EYEBOLT
1	1	1	1	1	1	AN5-14A	BOLT
16	16	14	14	14	14	AN960JD416	WASHER
3	3	3	3	3	3	AN960JD516	WASHER
8	8	7	7	7	7	MS21042L4	NUT (or MS21042-4)
2	2	2	2	2	2	MS21042L5	NUT (or MS21042-5)

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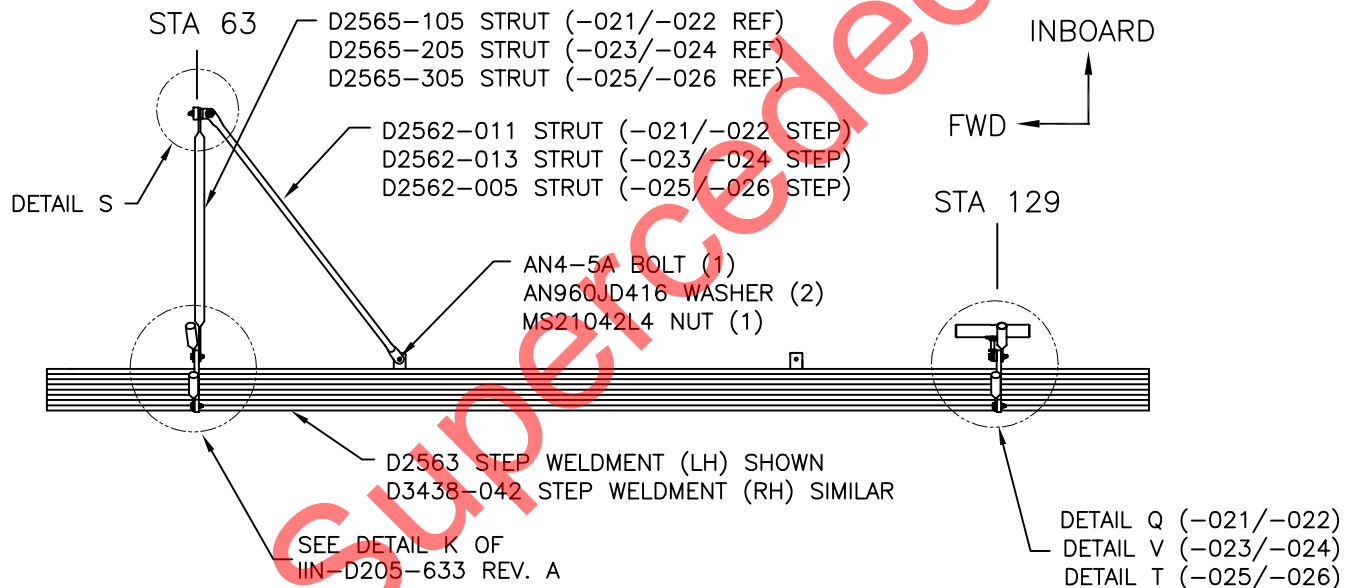
DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. A 3 OF 6
DATE 05.05.05	TITLE SIMPLEX TANK STEP KIT		SCALE NTS

INSTALLATION OF D205-633-021/-022/-023/-024/-025/-026

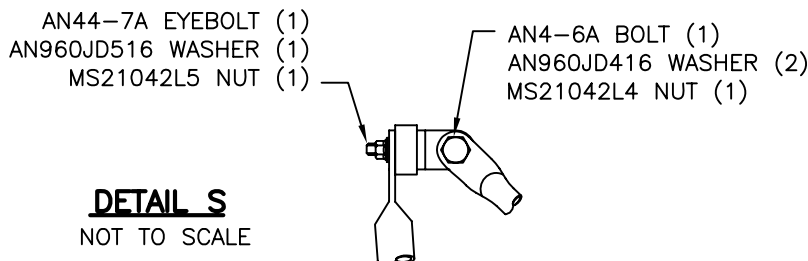
INSTALL D205-633-021/-022 AS PER THE D205-633-011 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-111 STRUT WITH THE D3437-041 AFT STRUT ASS'Y, REMOVE D2562-001 STRUT, INSTALL D2562-011 STRUT AS SHOWN.

INSTALL D205-633-023/-024 AS PER THE D205-633-013 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-211 STRUT WITH THE D3437-043 AFT STRUT ASS'Y, REMOVE D2562-003 STRUT, INSTALL D2562-013 STRUT AS SHOWN.

INSTALL D205-633-025/-026 AS PER THE D205-633-015 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D3165-1 SUPPORT ARM WITH THE D3437-045 AFT STRUT ASS'Y AS SHOWN.



D205-633-021/-023/-025 SHOWN.
D205-633-022/-024/-026 SIMILAR
(VIEW LOOKING DOWN)



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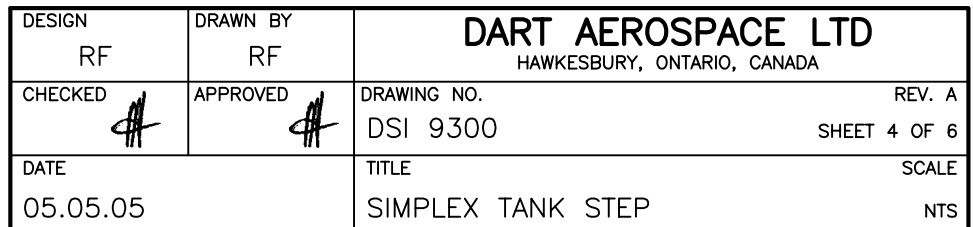
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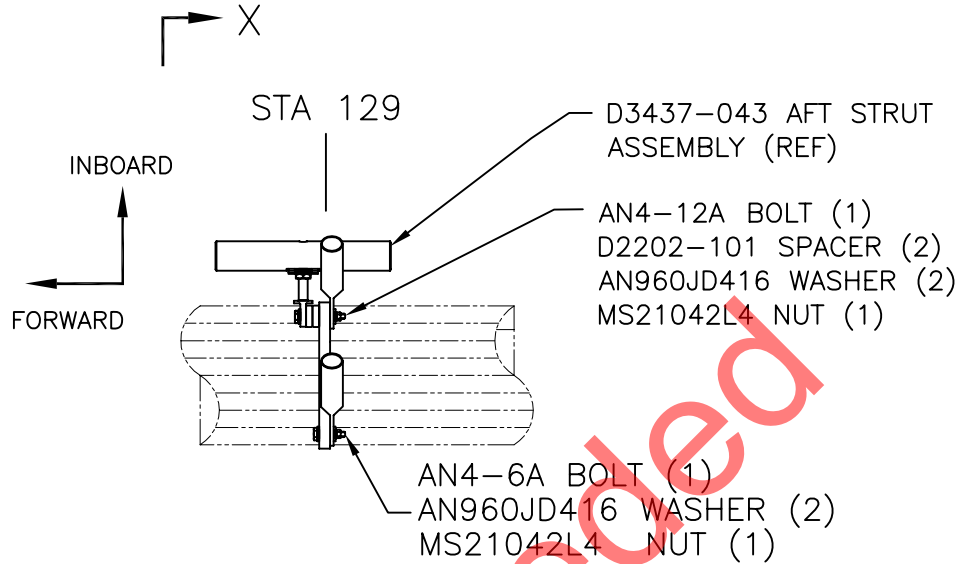
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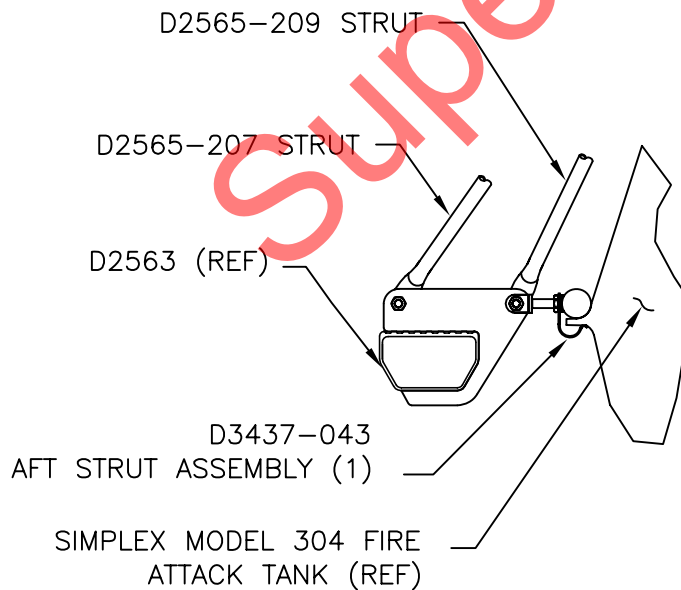
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DATE 05.05.05		TITLE SIMPLEX TANK STEP	SCALE NTS



DETAIL V
NOT TO SCALE



(-023/-024 STEP)

VIEW X-X
NOT TO SCALE

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DEPARTMENT OF TRANSPORT
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DAO # 01-O-01

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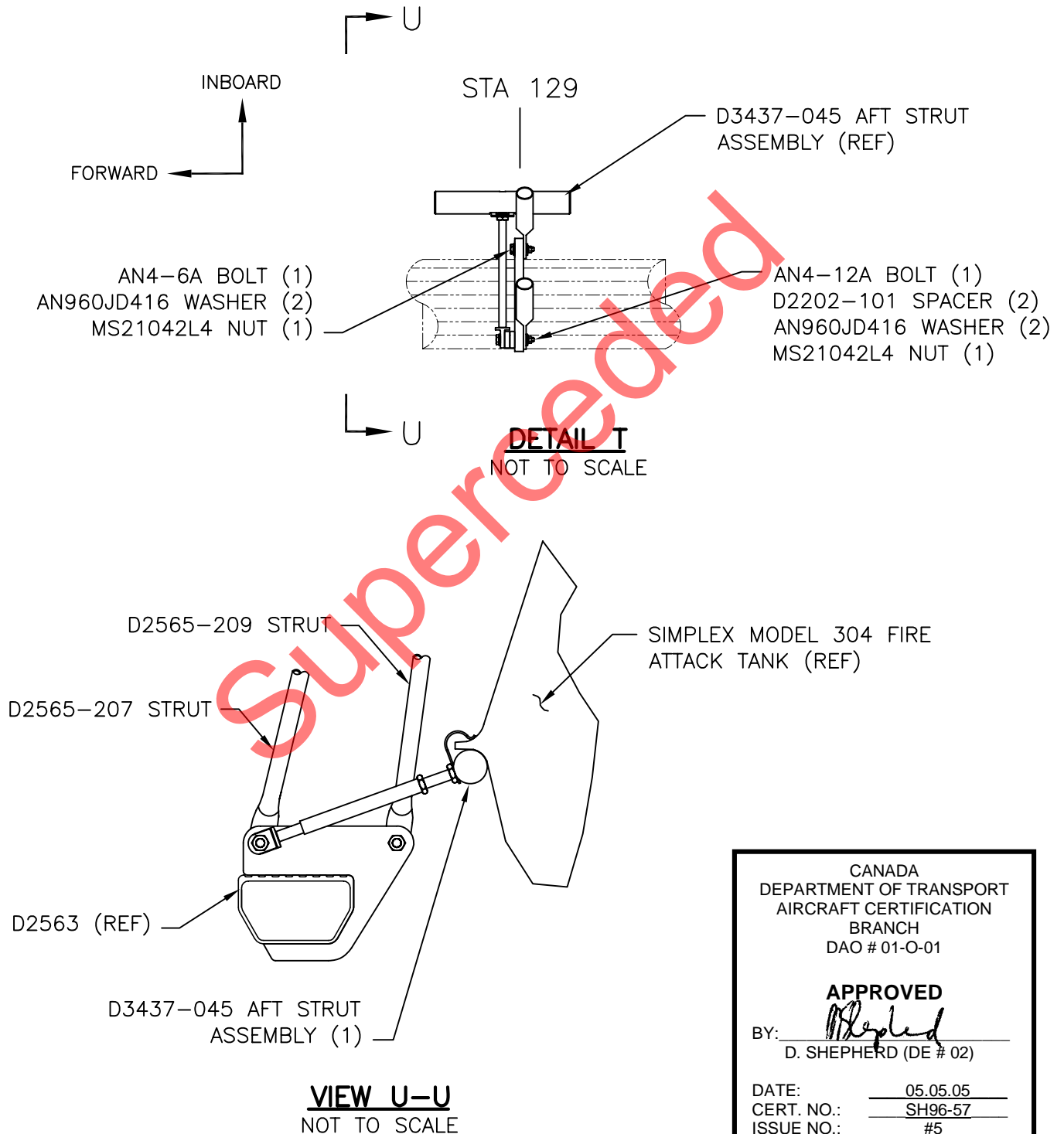
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